

Mining Machine Company Ensures Worker Safety with Tether Track™ Fall Arrest System

About Gorbel®

Gorbel® has over 40 years of experience providing material handling solutions that help companies improve their safety, ergonomics, and productivity.

Providing a comprehensive line of overhead lifting and ergonomic positioning equipment, Gorbel® uses a consultative approach to match solutions with industry needs. Regional distributors bring expertise to the local level while Gorbel® products are used internationally in industries ranging from heavy manufacturing to aerospace. Products include enclosed track workstation and jib cranes, monorails, G-Force® Intelligent Lifting Devices, GS Electric Chain Hoists, and Cleveland Tramrail® patented track cranes. Additionally, Tether Track™ provides fully engineered fall arrest for those working at heights.

For warehouses and distribution centers, Destuff-it™ portable ergonomic conveyors provide a safe and efficient solution for handling floor-stacked packages in shipping containers or related vessels. The Gorbel® Warehouse Solutions line also includes rugged cascading belt conveyors that can withstand even the toughest order-fulfillment environments.



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***“We Improve
People’s Lives”***

The Gorbel® Mission

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Background

A Midwest company specializing in the construction of track trenching and surface mining machines faced various challenges during the assembly process. These massive machines, weighing nearly 200 tons and featuring a towering grinding surface, required precise manpower allocation to ensure timely completion. Given the size of these machines, employees were regularly working at heights to reach every part.

The Problem

The company used multiple 40-ton capacity overhead bridge cranes to assist in the assembly process, which normally took eight weeks. As the process progressed, so did safety risks. The nature of the work being done on these mining machines did not allow for traditional passive restraints like handrails. After researching alternative solutions, the company realized that permanent systems would impede the movement of cranes responsible for delivering parts to workers. They knew they needed a novel solution.

The Solution

Four Tether Track™ Fold-Away Fall Arrest System were installed. These systems featured dual track rails, each supporting two workers simultaneously, and were installed on opposing walls to enable complete rectangular coverage beneath the existing overhead bridge cranes. Up to four employees could work on one machine at once, skyrocketing productivity and safety.

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